

TEST DATA

PROPERTY

TEST METHOD

RESULTS

ACCELERATED WEATHERING

ASTM G-53

No evidence of cracking, blistering or deterioration. Average weight loss...0.95%

ABRASION RESISTANCE

ASTM C-501, Model 503 Tabor Abraser with CS-17 wheels, 1000 cycles, with a 1000 gram load.

Weight loss...0.3437 grams, wear loss...0.0008 inches.

COEFFICIENT OF FRICTION

ASTM D-2047

Slip resistant-(SCF) 0.63

COMPRESSIVE STRENGTH

ASTM D-695-196,600 lbs. applied over 15.4 sq. in.

12,766 PSI-product did not fracture or was otherwise affected

DIMENSIONAL STABILITY

ASTM C-501, Model 503 Tabor Abraser with CS-17 wheels, 1000 cycles, with a 1000 gram load.

No dimensional changes, warpage or other effects noted on product

FLAME SPREAD

E84-81

Class I

FUEL CONTRIBUTION

E84-81

Class I

SMOKE GENERATION

ASTM E662

Less Than 450

FLAME RESISTANCE

ASTM E648 (radiant panel)

Critical radiant flux-0.50 W/cm²

FLEXURAL STRENGTH 7 FLEXURAL MODULUS

ASTM D-790

Strength 1,139 PSI Modulus 698,340 PSI

HARDNESS

BARCOL-ASTM D-2583 IMPRESSOR-934-1 SHORE-ASTM D-2240

Aggregate 83.3 Matrix 64.4

INDENTATION

1 lb. steel ball applied with 200 lbs of pressure for 30 minutes at 77 degrees F

Indentation...0.0009 inches

SPECIFIC GRAVITY

ASTM D-792

2.20

THERMAL SHOCK

MIL-F-52505

No evidence of peeling, cracking, crazing or deterioration

WATER ABSORPTION

ASTM D-570, Immersion in 75 degree F water for 24 hours after conditioning for 24 hours at 212 degree F

1.40%

WEIGHT

500 series - 3/8" Nominal Thickness

3.2 lbs to 4.5 lbs per square foot

STAIN & CHEMICAL RESISTANCE

TEST METHOD

- A. 24 hours surface exposure and room temperature.
- B. 7 day total immersion around 120 degrees F.

REAGENT	TEST	RESULT
AMMONIUM HYDROXIDE (10%)	B	slightly lightened
CATSUP	A	no effect
EHTYL ALCOHOL (50%)	B	no effect
GREASE	A	no effect
MOTOR OIL	A	no effect
SODIUM CHLORIDE (10%)	B	surface dulled (no other effect)
TAP WATER	A	no effect
TIDE (5%)	B	surface dulled (no other effect)
VEGETABLE JUICE	A	no effect
BLOOD	A	no effect
URINE	A	no effect